CLAIMS:

- 1. A method of scheduling broadcasts in a self-organizing network (100), the method comprising the steps of:
- transmitting a broadcast comprising presence information from a first device to its neighboring devices in the self-organizing network every period T_B,
- 5 characterized in that the transmission of a broadcast comprising presence information from the first device is skipped if all its neighbors have received the broadcast from the first device during a period T_{CB}.
- A method as claimed in claim 1, characterized in that the transmission of the
 broadcast comprising presence information from the first device is skipped during a second part of the period T_{CB} if all its neighbors have received the broadcast from the first device during a first part of period T_{CB}.
- 3. A method as claimed in claim 1, characterized in that a broadcast comprising presence information transmitted from a device further comprises information on whether the device has received a broadcast from each device in a list of neighboring devices.
 - 4. A method as claimed in claim 3, characterized in that the broadcast transmitted from the device comprises a *skip broadcast bit*, which is set if a broadcast comprising presence information has been received from each device in the list of neighboring devices in the current T_{CB}.
 - 5. A method as claimed in claim 4, characterized in that the broadcast transmitted from the device comprises a *skip broadcast bit*, which is set if both of the following conditions are met:
 - $(t_{CB(i), next} t) > T_B;$

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a broadcast comprising presence information has been received from each device in the list of neighboring devices in the current T_{CB} , where $t_{CB(i), next}$ is the next instant in time, at which the device is arranged to check from

which devices it has received broadcasts comprising presence information and t is the current time.

- A method as claimed in claim 4, characterized in that the device will skip a 6. broadcast if all broadcasts comprising presence information from devices in the list of 5 neighboring devices in the current period T_{CB} have the skip broadcast bit set.
 - A method as claimed in claim 6, characterized in that the device will skip a 7. broadcast if both of the following conditions are met:
- all broadcasts comprising presence information from devices in the list of 10 neighboring devices in the current period TCB have the skip broadcast bit set;
- $(t_{CB(i), next} t) > T_B$ where t_{CB(i), next} is the next instant in time, at which the device is arranged to check from which devices it has received broadcasts comprising presence information and t is the current 15 time.
 - A method as claimed in claim 4, characterized in that a device will skip a 8. broadcast if $(t_{CB(j), next} - t) > T_B$, and if one of the following conditions is met:
 - all broadcasts comprising presence information from devices in the list Ni of neighboring devices in the current period TCB have the skip broadcast bit set

OR

- all broadcasts comprising presence information received from devices in Mk, where $M_k \subset N_j$, during the current check beacon period have the skip broadcast bit set AND the devices in $N_j \setminus M_k$ are not in the "LAST_KNOWN_BEACON" field of any of the broadcasts transmitted from the devices in the list Mk, where the "LAST_KNOWN_BEACON" field indicates from which device a broadcast
 - comprising presence information has been received at the earliest instant during the current check beacon period TCB; tCB(i), next is the next instant in time, at which the device is arranged to check from which devices it has received broadcasts comprising presence information; and t is the current time.
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9. A method as claimed in claim 1, characterized in that $T_B < T_{CB}$. WO 2005/064853 PCT/IB2004/052792

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- 10. A method as claimed in claim 9, characterized in that $T_{CB} = N*T_B$, where $N \in \mathbb{N}$ +.
- 11. A device performing the method as claimed in claim 1.

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- 12. A self-organizing network comprising devices performing the method as claimed in claim 1.
- 13. A computer program product comprising a program of computer instructions for making a programmable computer perform the method as claimed in claim 1.